|         |  |          |                             |          |    |   |                |   |          |            |           |       | 10/039,612 |                     |                |                |               |           |             |           |          |     | DAVID, HOWARD S. |            |                 |          |           |          |           |           |           |          |          |   |
|---------|--|----------|-----------------------------|----------|----|---|----------------|---|----------|------------|-----------|-------|------------|---------------------|----------------|----------------|---------------|-----------|-------------|-----------|----------|-----|------------------|------------|-----------------|----------|-----------|----------|-----------|-----------|-----------|----------|----------|---|
|         |  |          |                             |          |    |   |                |   |          |            |           |       |            | Examiner            |                |                |               |           |             |           |          |     |                  | Art Unit   |                 |          |           |          |           |           |           |          |          |   |
|         | 100181   11811   14111   18188   11110   10118   11810   11811   11810   11811   11810   1 |          |                             |          |    |   |                |   |          |            |           |       |            | Zhuo H Li           |                |                |               |           |             |           |          |     |                  | 2186       |                 |          |           |          |           |           |           |          |          |   |
|         |  | <b>7</b> | √ Rejected — (Through numer |          |    |   |                |   |          |            |           |       |            |                     | era            | l)             | ]             |           | Non-Elected |           |          |     |                  |            | Appeal          |          |           |          |           |           |           |          |          |   |
|         |  | Ĺ        |                             |          |    |   |                |   |          |            | Cancelled |       |            |                     |                |                | $\frac{1}{1}$ | N         | 14          |           |          |     |                  |            | Α               |          |           |          |           | _         |           |          |          |   |
|         |  | =        | A                           | llov     | we | d | ÷              |   |          | Restricted |           |       |            |                     |                |                | ı             | I Interfe |             |           | ence     |     |                  | 0          | Objected        |          |           |          |           |           |           |          |          |   |
| Clai    |  |          | Dat                         |          |    |   | te             |   |          |            | [         | Claim |            |                     |                |                | Dat           | e         | _           | - 81      |          |     | Claim            |            | Г               | Date     |           |          |           |           |           |          |          |   |
| <u></u> | inal   | 1        |                             |          |    |   |                |   |          |            |           | Final | inal       |                     |                |                |               |           |             |           |          |     | Final            | Original   |                 |          |           |          |           |           |           |          |          |   |
| Final   | Original   | 104      |                             |          |    |   |                |   |          |            |           | ίĒ    | Original   |                     |                |                | ١.            |           |             |           |          |     | ίĒ               | Oric       |                 |          |           |          |           |           |           |          |          |   |
|         | 1  | =        |                             |          |    |   |                |   |          |            |           |       | 51         | $\Box$              | _              |                |               |           |             |           | Į́       | ļ   |                  | 101        |                 |          | 4         | 1        | $\dashv$  | 4         |           |          |          |   |
| 2       | 3  | =        | -                           | $\dashv$ |    | - |                |   |          |            | -         |       | 52<br>53   | $\vdash$            |                | +-             | ╁             |           | $\dashv$    | +         | ╣        | -   |                  | 102<br>103 | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$  | -         | $\dashv$ | Н        |   |
| 3       | 4  | 1        |                             |          |    |   |                |   |          |            |           |       | 54         |                     |                |                |               |           |             |           |          |     |                  | 104        |                 |          |           |          |           |           |           |          |          |   |
| 4 5     | 5  | 1,       | _                           | _        |    |   |                |   |          | _          | ŀ         |       | 55<br>56   | $\vdash \downarrow$ | _              | _              | $\vdash$      | Н         | $\dashv$    |           | $\dashv$ | -   |                  | 105<br>106 | H               | $\dashv$ | $\dashv$  | +        | +         | +         |           | -        | Н        |   |
| 5       | <u>6</u><br>7  | 18       |                             | -        |    |   |                |   |          | -          | ŀ         |       | 57         | $\vdash$            | $\dashv$       | -              | +             | H         | $\dashv$    | -         | ┪        |     |                  | 107        | H               | +        | +         | $^{+}$   | $\dashv$  | $\dashv$  | $\dashv$  |          | Н        |   |
| 6       | 8  | ×        |                             |          |    |   |                |   |          |            |           |       | 58         |                     |                |                | L             |           |             |           |          |     |                  | 108        |                 | $\Box$   | $\Box$    | 1        |           | $\Box$    |           |          |          |   |
| 7       | 9<br>10  | E        |                             | _        |    |   |                |   |          |            | -         |       | 59<br>60   | Н                   |                | +              | ╀             | $\vdash$  |             | _         | $\dashv$ | 1   |                  | 109<br>110 | -               | $\dashv$ | +         | +        | $\dashv$  | $\dashv$  | $\dashv$  | _        |          |   |
|         | 11   | =        | $\vdash$                    | $\dashv$ | _  |   |                |   |          |            | ŀ         |       | 61         | $\vdash$            | $\dashv$       | +              | +             | H         | $\dashv$    | $\dashv$  | ┥.       | ŀ   |                  | 111        |                 | $\dashv$ | $\forall$ | +        | +         | $\dashv$  | +         | $\dashv$ | Н        |   |
| [0]     | 12   | Ξ        |                             |          |    |   |                |   |          |            |           |       | 62         |                     | $\perp$        |                |               |           |             | $\Box$    | ]:       |     |                  | 112        |                 |          | $\Box$    | $\perp$  | 4         | $\Box$    |           |          |          |   |
|         | 13<br>14   | 11 11    | -                           | $\dashv$ | _  |   |                |   |          |            | }         |       | 63<br>64   | $\vdash$            | +              | - -            | ╁             | $\vdash$  | $\dashv$    | +         | -        | -   |                  | 113<br>114 |                 | $\dashv$ | +         | +        | $\dashv$  | $\dashv$  | -         | $\dashv$ |          |   |
| 11      | 15   | =        |                             | -        |    | - |                |   |          |            | ł         | ,     | 65         | $\vdash$            | +              | +              | +             | $\vdash$  | $\dashv$    | +         | 1        | 4   |                  | 115        |                 | $\dashv$ | $\forall$ | +        | $\dashv$  | +         | ┪         | $\dashv$ |          |   |
|         | 16   |          |                             |          |    |   |                |   |          |            |           |       | 66         |                     | 7              |                | ×             |           |             |           | ];       |     |                  | 116        |                 |          | $\Box$    |          | $\Box$    | $\Box$    |           |          |          |   |
|         | 17<br>18   | -        |                             |          |    | _ | $\blacksquare$ |   |          |            | }         |       | 67<br>68   | $\vdash$            | +              | +              | +             | $\vdash$  | $\dashv$    |           | -        | 14  |                  | 117<br>118 |                 | $\dashv$ | $\dashv$  | +        | +         | $\dashv$  | $\dashv$  | $\dashv$ | Н        |   |
|         | 19   |          | $\dashv$                    |          |    |   | $\vdash$       |   |          |            |           |       | 69         | $\vdash$            | +              | +              | $\dagger$     | H         |             | $\dashv$  |          |     |                  | 119        | Ħ               | $\dashv$ | $\top$    |          | $\dashv$  | $\exists$ |           |          |          |   |
|         | 20   |          |                             |          |    |   |                |   |          |            |           |       | 70         | П                   | $\blacksquare$ | $\blacksquare$ |               |           |             |           | _        |     |                  | 120        |                 | _        | 4         | 4        | $\dashv$  |           |           |          |          |   |
|         | 21<br>22   |          | $\vdash$                    |          |    | - | -              |   |          |            | -         |       | 71<br>72   | ╌                   | +              | +              | ╬             | $\vdash$  | $\vdash$    |           |          | 1.~ |                  | 121<br>122 | $\vdash$        | +        | +         | +        | +         | +         |           | $\dashv$ | $\vdash$ |   |
|         | 23   |          |                             |          |    |   |                |   |          |            |           |       | 73         |                     |                |                | T             |           |             | $\Box$    |          | *   |                  | 123        |                 |          |           | I        |           |           |           |          |          |   |
|         | 24   |          |                             |          |    |   |                |   |          |            | [         |       | 74         |                     | 4              |                | -             | <u> </u>  |             |           |          | ;   |                  | 124        |                 | $\perp$  | _         | 4        | 4         | 4         | $\dashv$  | _        |          |   |
|         | 25<br>26   | $\vdash$ |                             | -        |    | _ |                |   |          |            | }         |       | 75<br>76   | $\vdash$            | +              | -              | +             | $\vdash$  | $\vdash$    | $\dashv$  | $\dashv$ | 1   |                  | 125<br>126 | $\vdash$        | -+       | +         | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ |          |   |
|         | 27   |          |                             |          |    |   |                |   |          |            | Ì         |       | 77         |                     | 士              |                |               |           |             |           |          |     |                  | 127        |                 |          |           |          |           |           |           |          |          |   |
|         | 28   | $\perp$  |                             |          |    |   |                |   |          |            |           |       | 78         |                     | 4              | _ _            | -             |           |             | _         | 4        | ŀ   |                  | 128        | -               | 4        | _         | _        | +         | 4         | $\dashv$  | 4        |          |   |
|         | 29<br>30   | $\vdash$ |                             | -        |    |   |                |   |          | $\dashv$   | ŀ         |       | 79<br>80   |                     | +              | +              | ╁             | H         | $\dashv$    | $\dashv$  | ╡        | ŀ   |                  | 129<br>130 | $\vdash$        | +        | +         | +        | $\dashv$  | $\dashv$  | -         | $\dashv$ | Н        |   |
|         | 31   |          |                             |          |    |   |                |   |          |            |           |       | 81         |                     |                |                |               |           |             |           |          | į   |                  | 131        |                 |          |           |          |           |           |           |          |          | • |
|         | 32<br>33   | -        |                             | -        |    |   | -              |   |          |            |           |       | 82<br>83   | $\vdash$            | +              | +              | ╀             | Н         | $\dashv$    |           | 4        | ŀ   |                  | 132<br>133 | $\vdash$        | $\dashv$ | $\dashv$  | $\dashv$ | +         | $\dashv$  | $\dashv$  | -        |          |   |
|         | 33<br>34   |          |                             | -        |    |   |                |   |          | $\dashv$   | }         | -     | 84         | $\vdash$            | +              | ╁              | +             | $\vdash$  |             | $\dashv$  | $\dashv$ | ŀ   |                  | 134        | $\Box$          | $\dashv$ | $\dashv$  | +        | $\dashv$  | ┪         | $\dashv$  | $\dashv$ |          |   |
|         | 35   |          |                             |          |    |   |                |   |          |            |           |       | 85         |                     |                |                |               |           |             |           |          |     |                  | 135        | $\Box$          | $\Box$   |           |          | $\Box$    | $\Box$    | $\Box$    |          |          |   |
|         | 36<br>37   |          |                             | -        |    |   |                |   |          |            | -         |       | 86<br>87   | $\vdash \vdash$     | +              | -              | ╀             | $\vdash$  | $\dashv$    |           | $\dashv$ | ŀ   |                  | 136<br>137 | $\vdash$        | $\dashv$ | $\dashv$  | +        | +         | $\dashv$  | $\dashv$  | $\dashv$ |          |   |
|         | 38   |          |                             | -        | _  |   |                |   |          | $\dashv$   | ŀ         |       | 88         | $\Box$              | $\dashv$       | +              | $\dagger$     | T         |             | $\dashv$  | ┪        |     |                  | 138        |                 | $\dashv$ |           | 1        | $\exists$ |           |           |          |          |   |
|         | 39   |          |                             |          |    |   |                |   |          |            |           |       | 89         | П                   | $\bot$         | $\perp$        |               |           |             |           | 7        |     |                  | 139        | Ш               | 4        | _         | _        | $\Box$    | $\Box$    | $\Box$    |          |          |   |
|         | 40<br>41   | $\vdash$ | -                           | -        |    | _ | $\vdash$       |   |          | $\dashv$   | }         |       | 90<br>91   | $\vdash$            | -              | +              | +             | $\vdash$  | $\dashv$    | $\dashv$  | $\dashv$ | 1   |                  | 140        | -               | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ | Н        |   |
|         | 42   | $\vdash$ | 7                           |          | _  | _ |                |   |          | $\exists$  | ŀ         |       | 92         |                     | $\top$         | $^{\dagger}$   |               |           |             | $\exists$ | ╛.       | - 1 |                  | 142        |                 |          | $\perp$   | $\dashv$ | $\exists$ |           |           |          |          |   |
|         | 43   |          |                             |          |    |   |                | _ |          | $\Box$     | -         |       | 93         | П                   | $\downarrow$   | T              | lacksquare    | П         |             | $\Box$    | 4        |     |                  | 143        | П               | $\dashv$ | $\dashv$  | 4        | $\dashv$  | $\dashv$  | $\Box$    | $\Box$   | Ц        |   |
|         | 44<br>45   | $\vdash$ | $\vdash$                    |          |    |   | $\vdash$       |   | _        | Щ          | }         |       | 94<br>95   | $\vdash$            | +              | +              | +             | $\vdash$  | $\dashv$    | $\dashv$  | $\dashv$ | 1   |                  | 144<br>145 | $\vdash \vdash$ | $\dashv$ | +         | +        | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ | Н        |   |
|         | 46   |          |                             |          | _  |   |                |   |          |            | ŀ         |       | 96         | Ц                   | $\pm$          |                |               |           |             |           |          | ŀ   |                  | 146        |                 |          | 士         |          | $\perp$   | 士         |           |          |          |   |
|         | 47   |          | $\Box$                      | $\Box$   |    |   |                | _ |          |            |           |       | 97         | H                   | $\bot$         | $\bot$         | F             | П         |             | 1         | _[       |     |                  | 147        |                 | $\perp$  | $\bot$    | 1        | $\perp$   | 4         | $\dashv$  | _        | Ш        |   |
|         | 48<br>49   | $\vdash$ | $\dashv$                    | $\dashv$ |    | H | $\vdash$       | _ | $\vdash$ | $\vdash$   | }         |       | 98<br>99   | -                   | +              | +              | +-            | $\vdash$  | -           | $\dashv$  | -        | - } |                  | 148<br>149 | ╁┼              | $\dashv$ | +         | -}       | $\dashv$  | +         |           |          | $\vdash$ |   |
|         | 50   |          |                             |          | _  |   |                |   |          |            | t         |       | 100        | Ц.                  | 土              |                |               |           |             | $\exists$ |          | t   |                  | 150        |                 | 士        | $\Box$    | T        | $\top$    |           | $\exists$ |          |          |   |
|         |  |          |                             |          |    |   |                |   |          | _          |           |       |            |                     |                |                |               |           |             |           |          |     |                  |            |                 |          |           |          | _         |           | _         | _        | _        |   |

Application No.

Index of Claims

Applicant(s)